

FIG.1

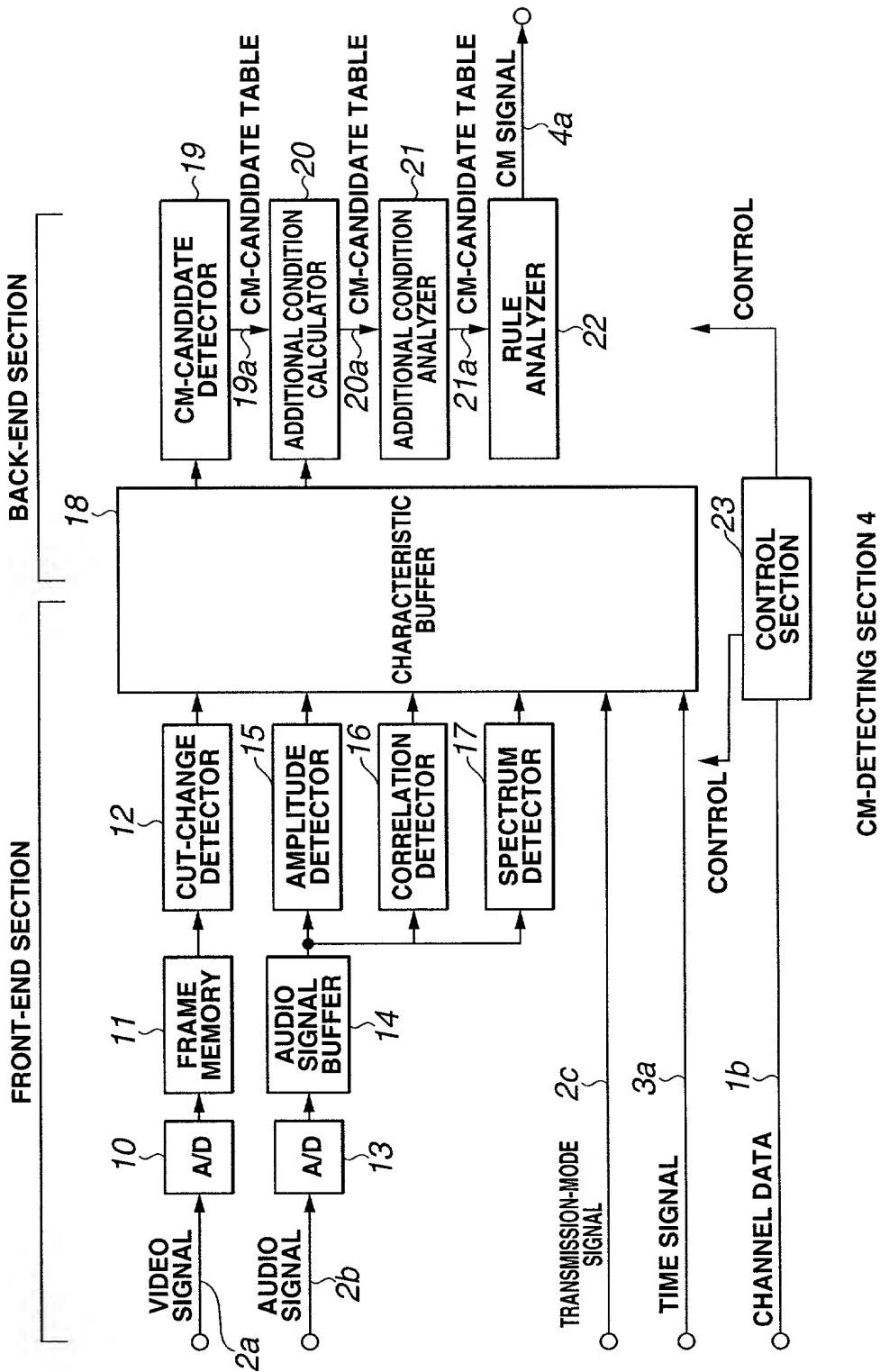


FIG.2

CM-DETECTING SECTION 4

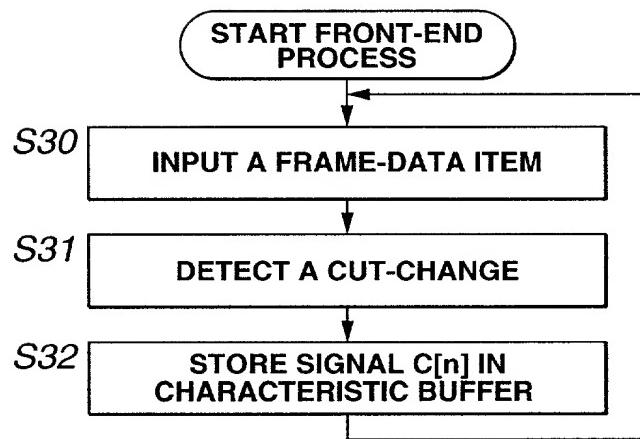


FIG.3

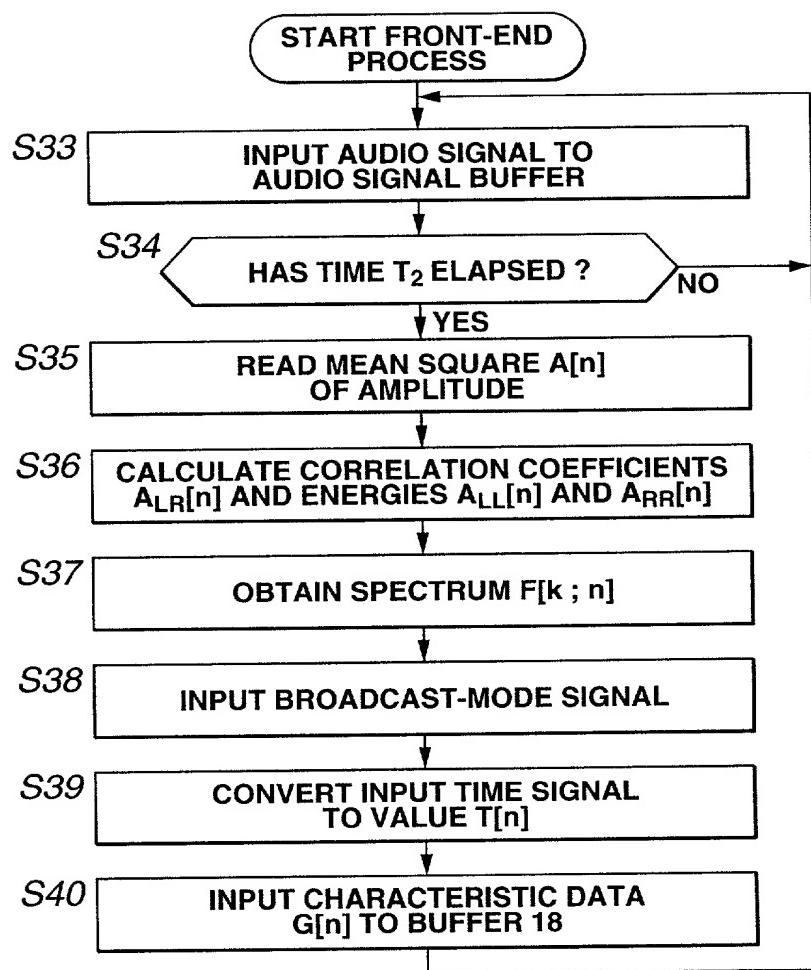
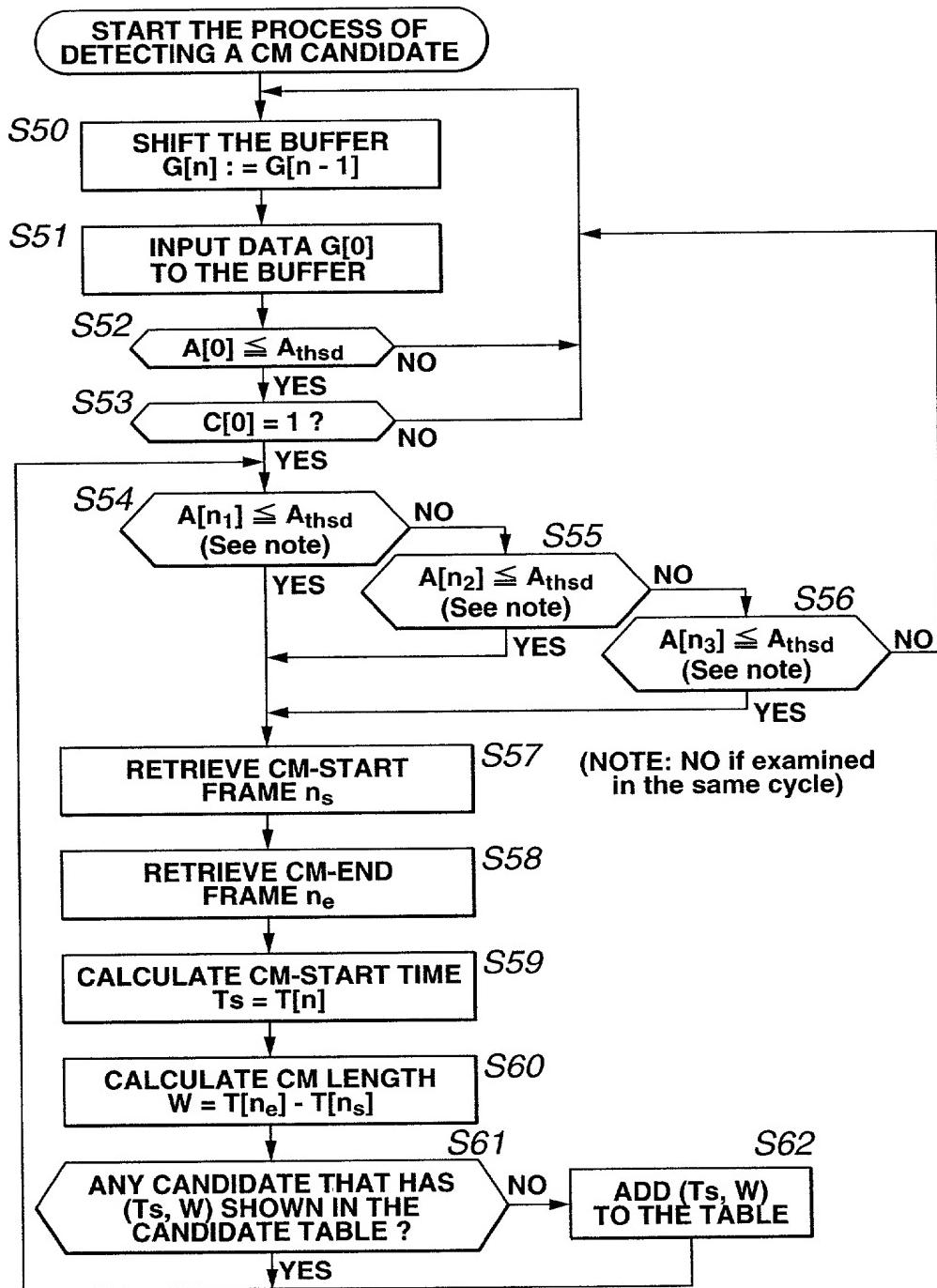


FIG.4

**FIG.5**

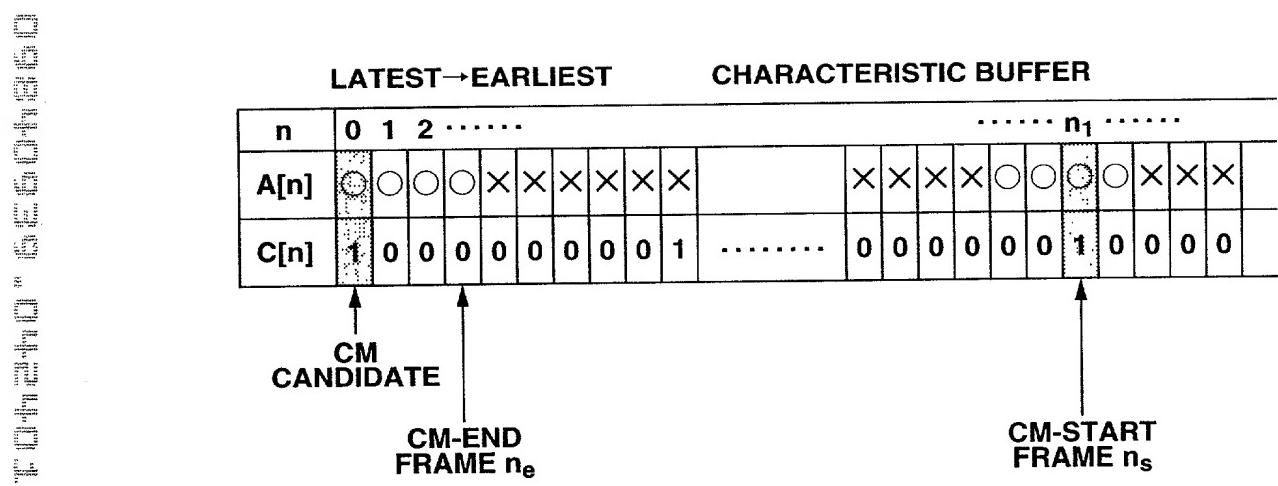


FIG.6

ITEM	SYMBOL	UNIT	EXAMPLE OF NECESSARY CONDITION (19a)	EXAMPLE OF NECESSARY CONDITION (20a)	EXAMPLE OF CONDITION DETERMINED (21a)
START TIME LENGTH (SOUND)	T _s	hr, min., sec.	1:23'45	1:23'45	1:23'45
PRE-BREAK LENGTH	T _w	sec.	14.63	14.63	14.63
POST-BREAK LENGTH	Q ₁	ms	-	300.0	300.0
MINIMUM WIDTH OF PRE-BREAK	Q ₂	ms	-	300.0	300.0
MINIMUM WIDTH OF POST-BREAK	Q ₃	(See note)	-	0.00015	0.00015
LEFT-RIGHT CORRELATION	Q ₄	(See note)	-	0.00020	0.00020
MEAN AMPLITUDE	Q ₅	-	-	0.934	0.934
NUMBER OF CUTS	Q ₆	(See note)	-	0.010	0.010
BROADCAST MODE	Q ₇	piece	-	9	9
NUMBER OF ADJACENT CANDIDATES	Q ₈	-	-	1	1
ENERGY OF PRE-SPECTRUM DIFFERENCE	Q ₉	piece	-	2	2
ENERGY OF POST-SPECTRUM DIFFERENCE	Q ₁₀	-	-	0.41	0.41
SCORE	Q ₁₁	-	-	0.63	0.63
SCORE	R	-	-	-	1.80
SCORE	Z	-	-	-	1

*note: amount of the amplitude of the audio signal is represented as the proportion to the maximum amplitude

FIG.7

FIG.8A

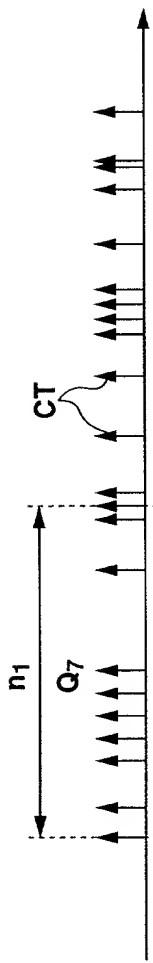


FIG.8B BROADCAST-MODE B[n]



FIG.8C SPECTRUM OF AUDIO SIGNAL $S[k ; n]$

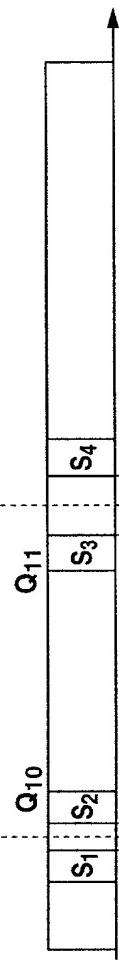
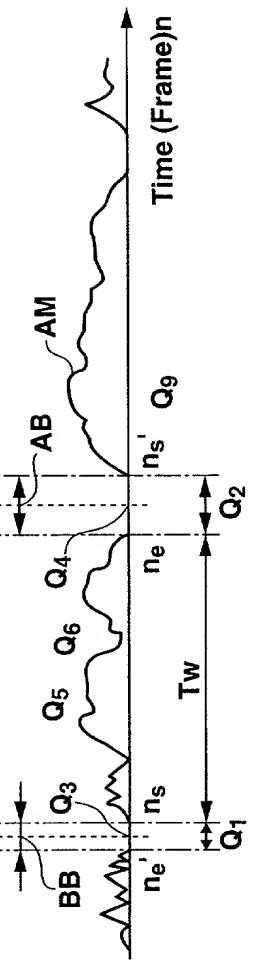
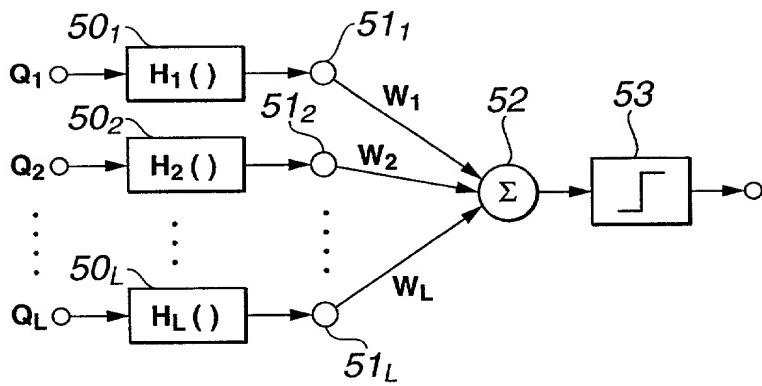


FIG.8D MEAN SQUARE $A[n]$ OF AMPLITUDE OF AUDIO SIGNAL



* USE $A_{LL}[n]$, $A_{RR}[n]$ AND $A_{LR}[n]$ TO CALCULATE Q_5



ADDITIONAL CONDITION ANALYZER 21

FIG.9

FIG.10A

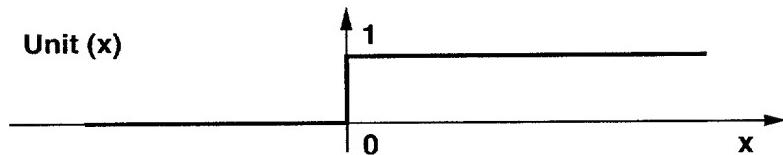


FIG.10B

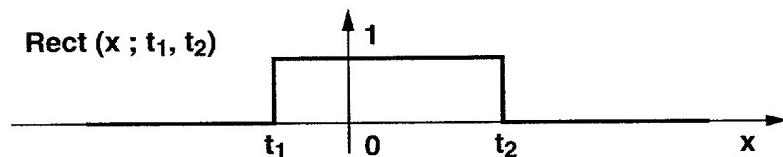
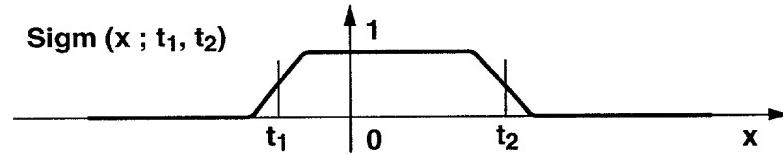


FIG.10C



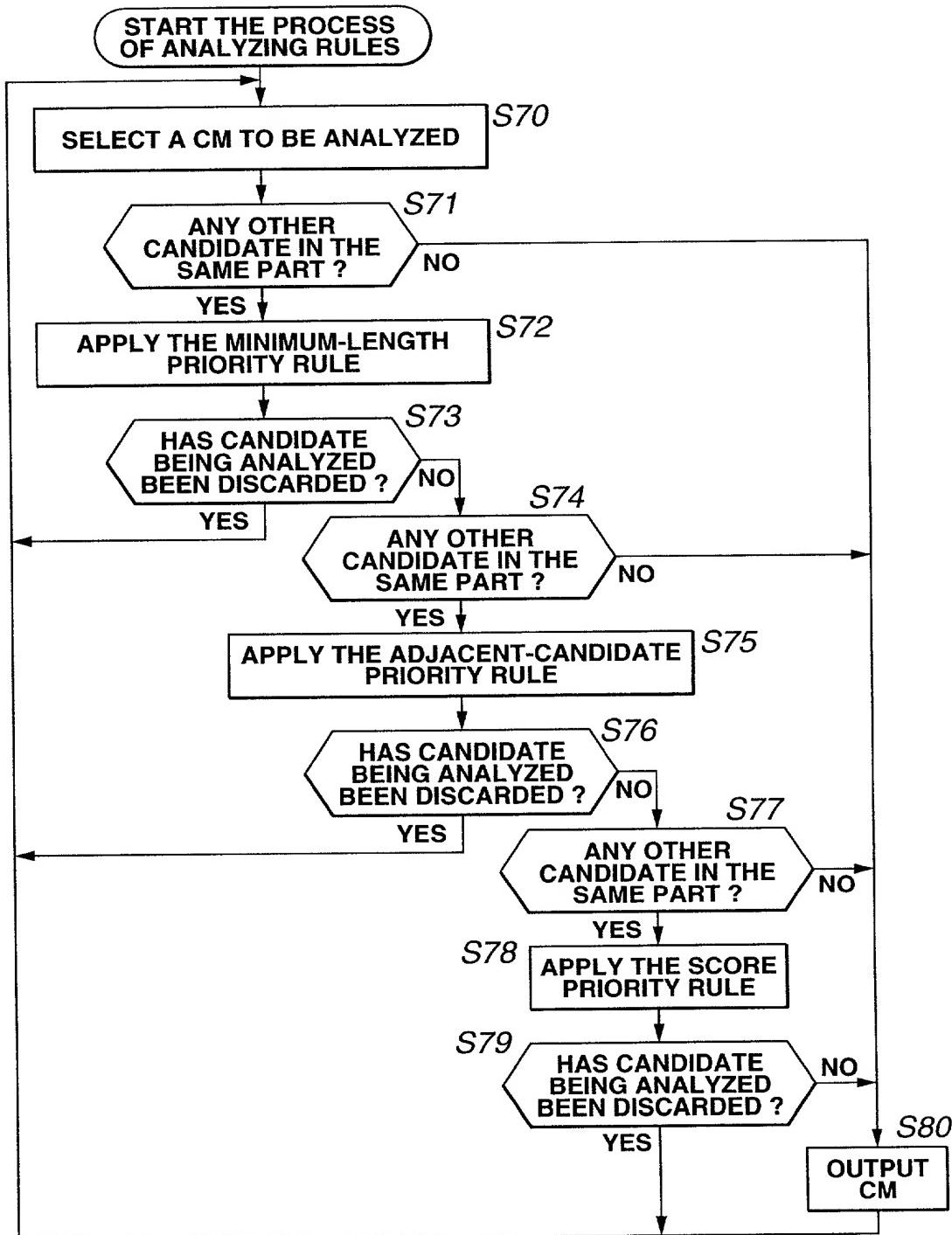


FIG.11

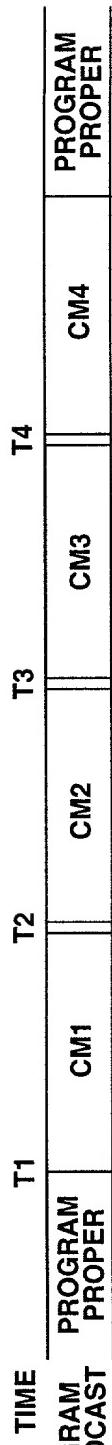


FIG. 12B LATEST CM CANDIDATE

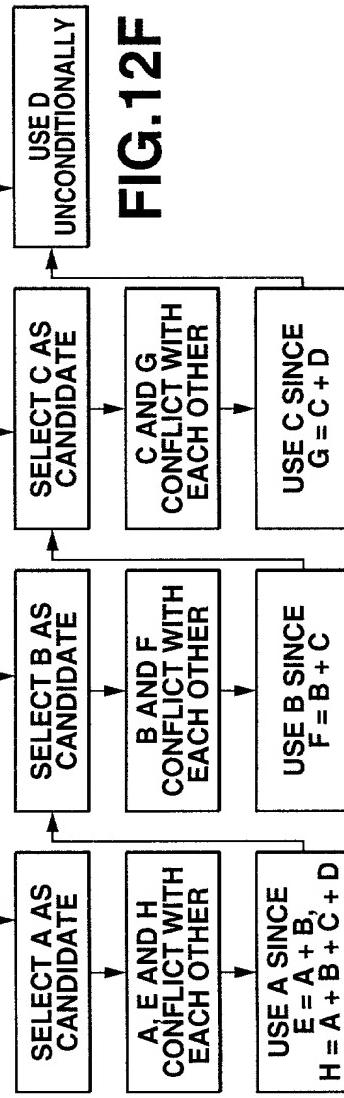


FIG. 12F

FIG. 12C **FIG. 12D** **FIG. 12E**

MINIMUM-LENGTH PRIORITY RULE

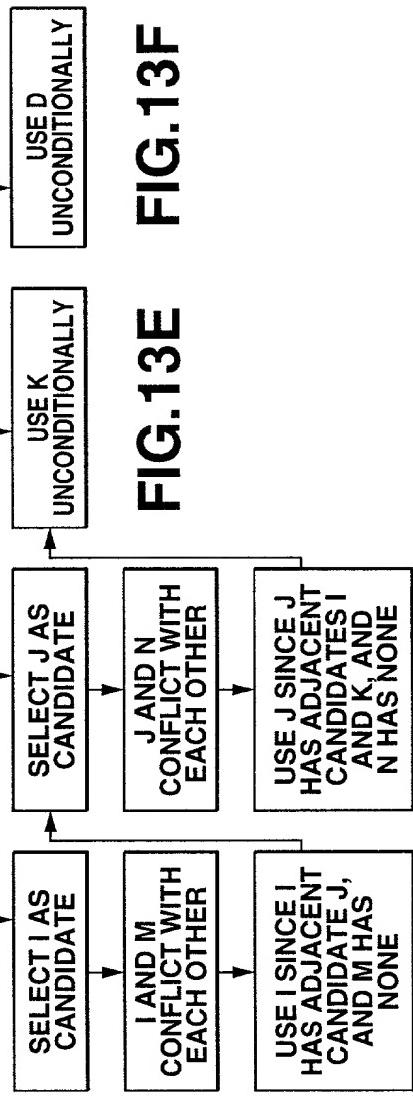
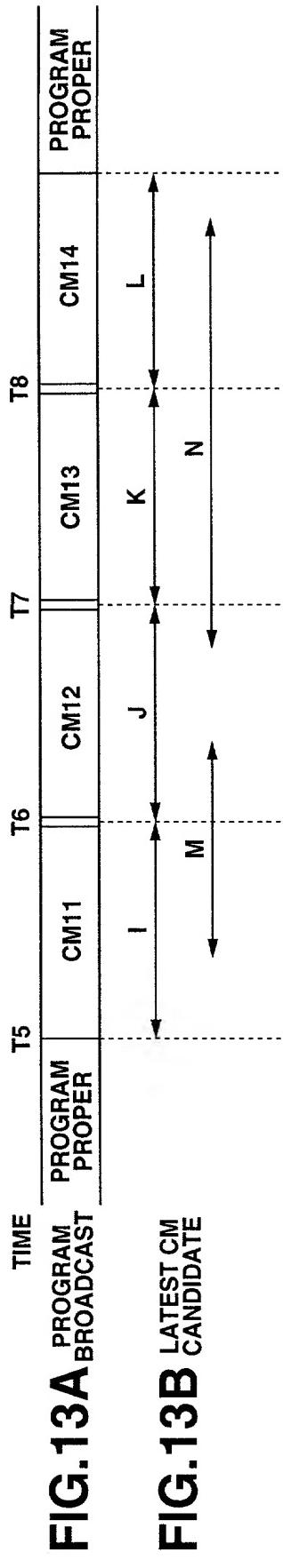


FIG. 13E **FIG. 13F**

FIG. 13C **FIG. 13D**

ADJACENT-CANDIDATE PRIORITY RULE

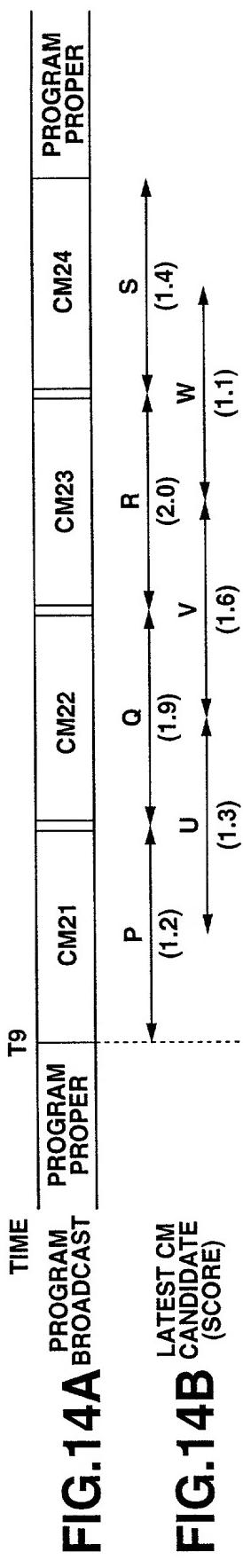


FIG. 14A

FIG. 14B LATEST CM CANDIDATE (SCORE)

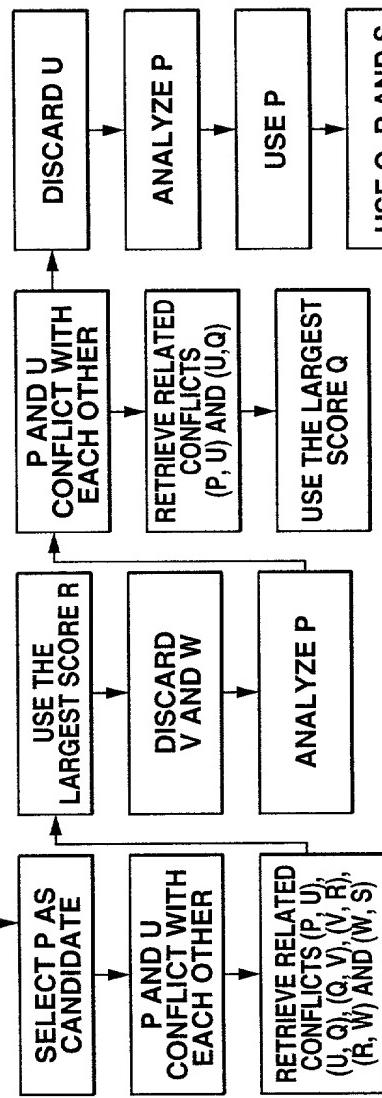
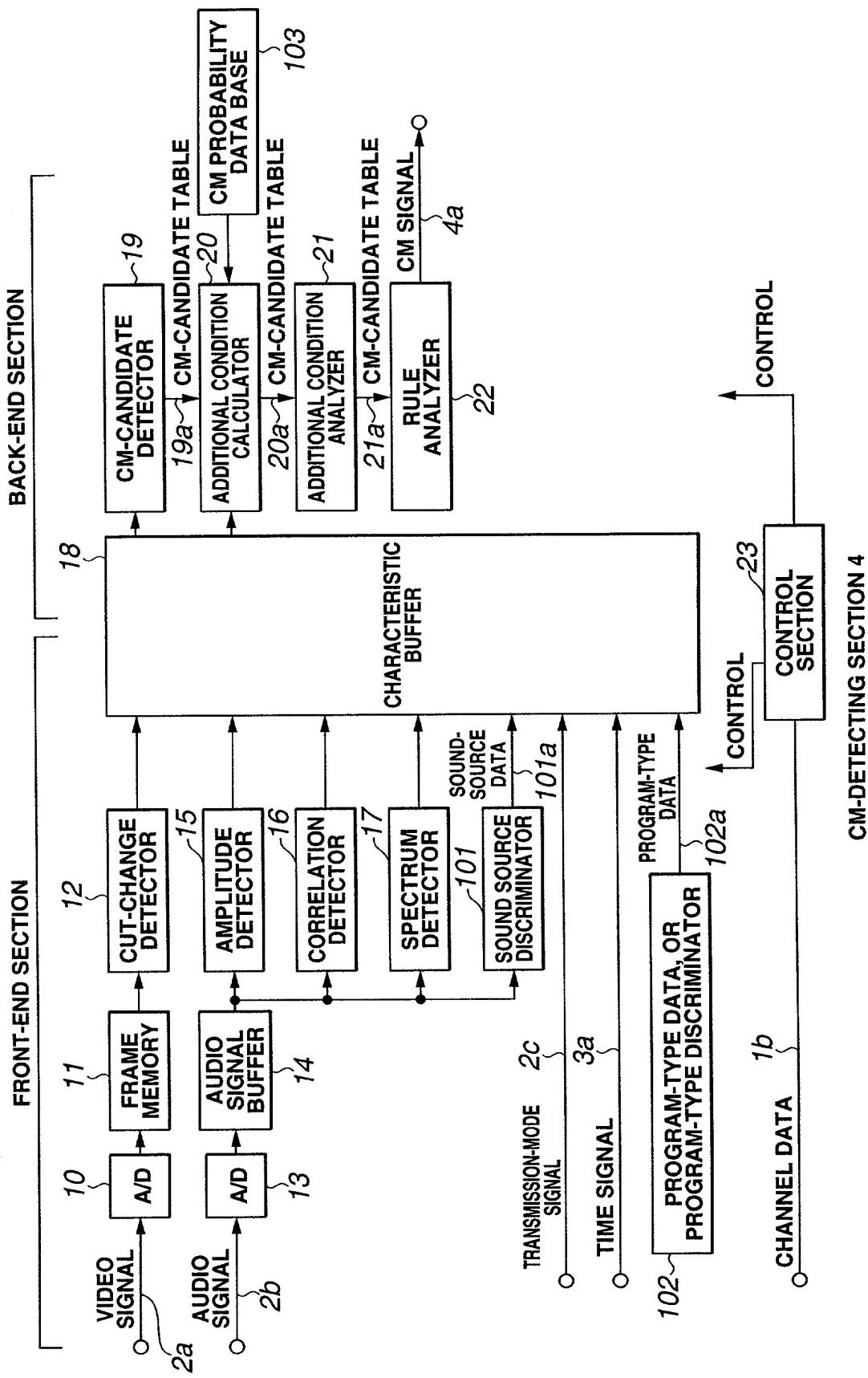


FIG. 14C **FIG. 14D** **FIG. 14E** **FIG. 14F**

SCORE PRIORITY RULE

**FIG.15**

CM-DETECTING SECTION 4

ITEM	SYMBOL	UNIT	EXAMPLE OF NECESSARY CONDITION (19a)	EXAMPLE OF ADDITIONAL CONDITION (20a)	EXAMPLE OF CONDITION DETERMINED (21a)
SOUND CONTAINED ?	Q ₁₂	-	-	1	1
MUSIC CONTAINED ?	Q ₁₃	-	-	1	1
PROBABILITY FOR TIME ZONE	Q ₁₄	-	-	0.15	0.15
PROBABILITY FOR PROGRAM TYPE	Q ₁₅	-	-	0.1	0.1

FIG.16

ITEM	SYMBOL	UNIT	EXAMPLE OF VALUE
NUMBER OF SMALL AMPLITUDES	Q ₁₆	-	1
SMALL-AMPLITUDE PERIOD	Q ₁₇	s	0.24
SIGNAL DISPERSION	Q ₁₈	-	0.40

FIG.17

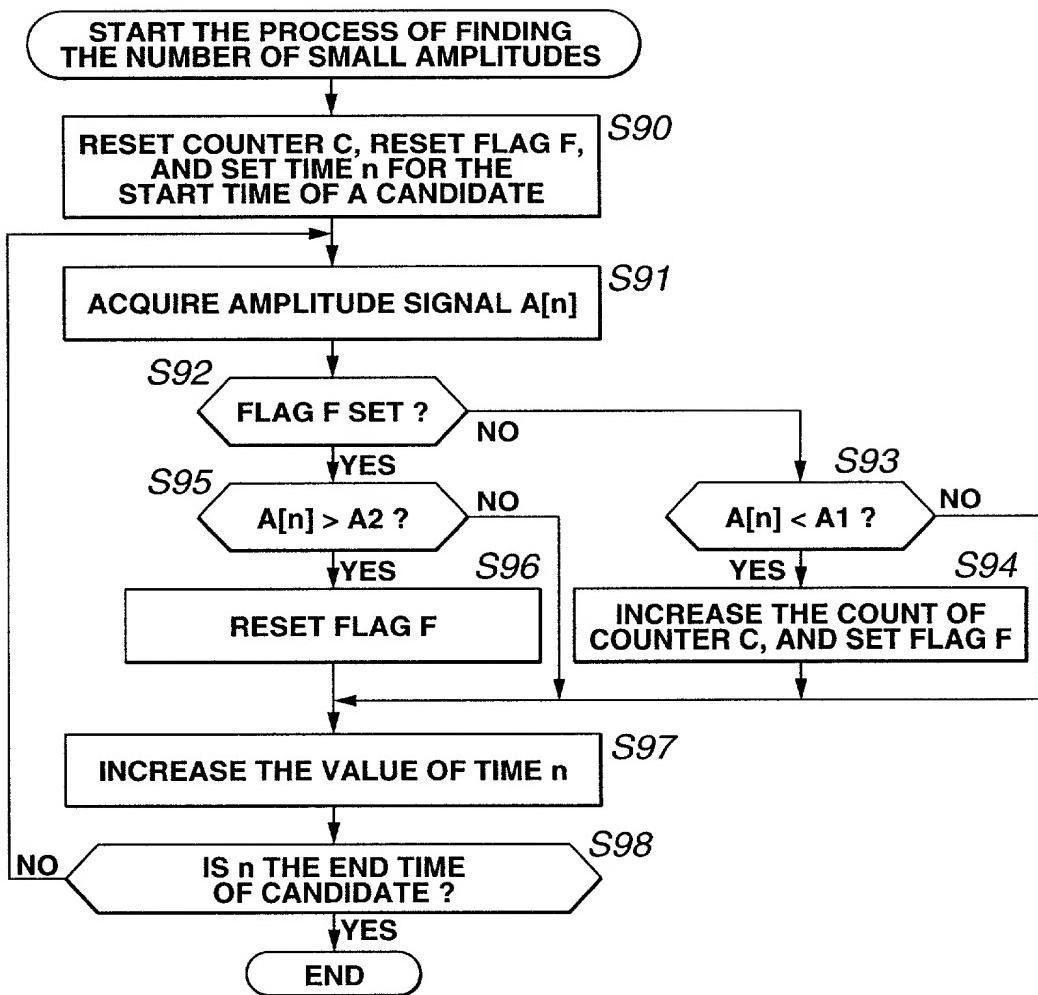


FIG.18

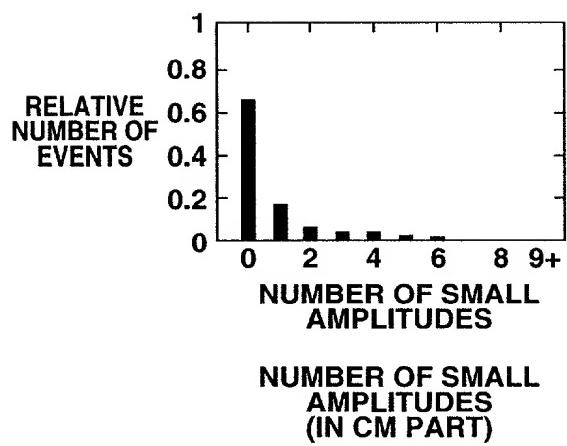


FIG.19A

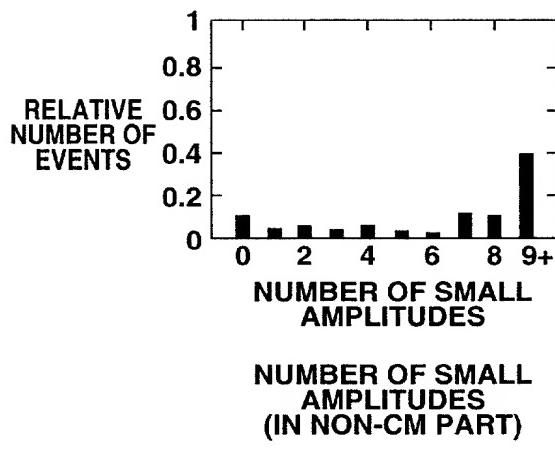


FIG.19B

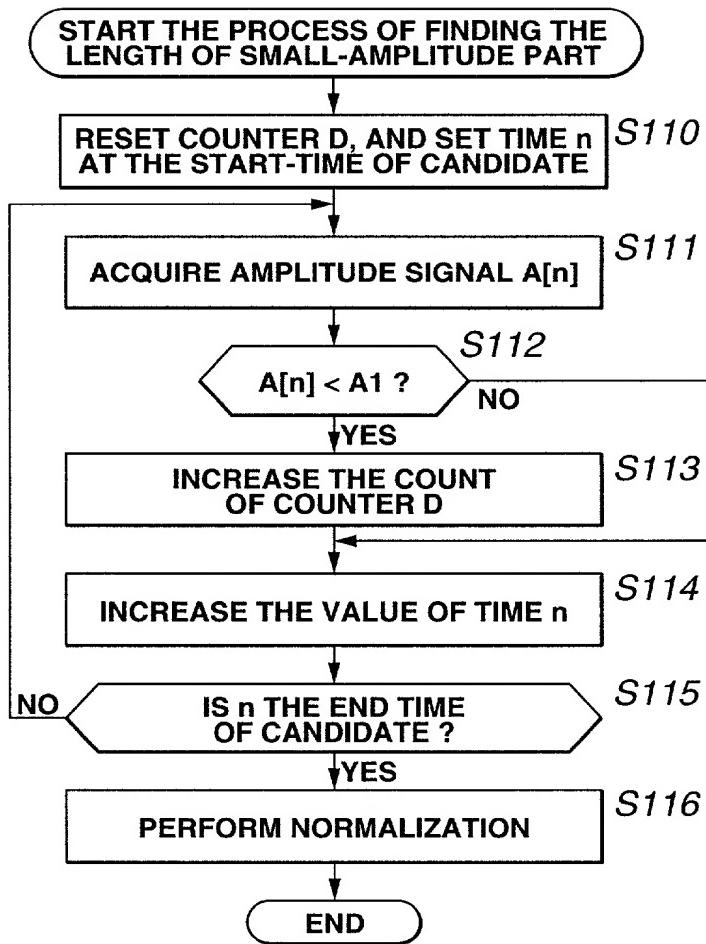


FIG.20

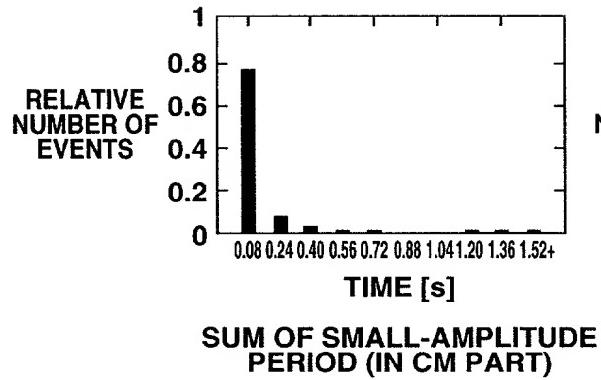


FIG.21A

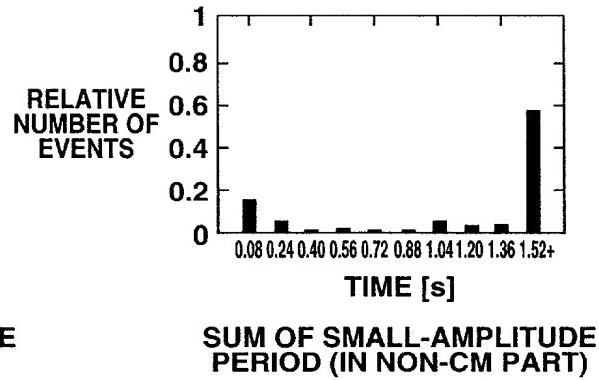


FIG.21B

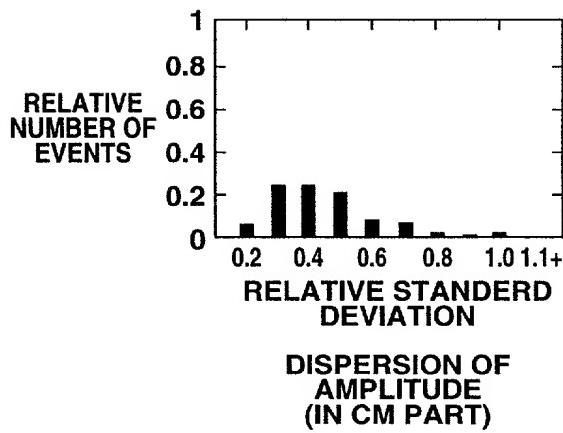


FIG.22A

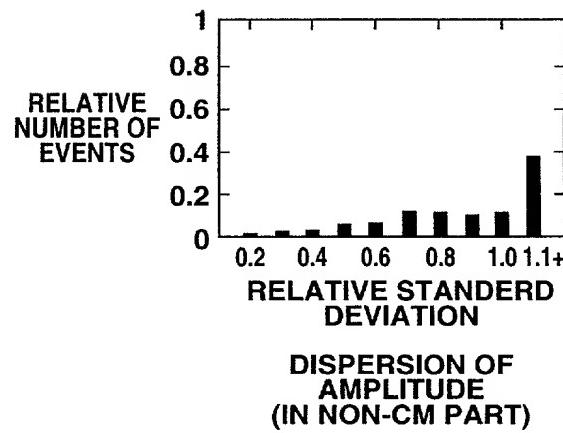
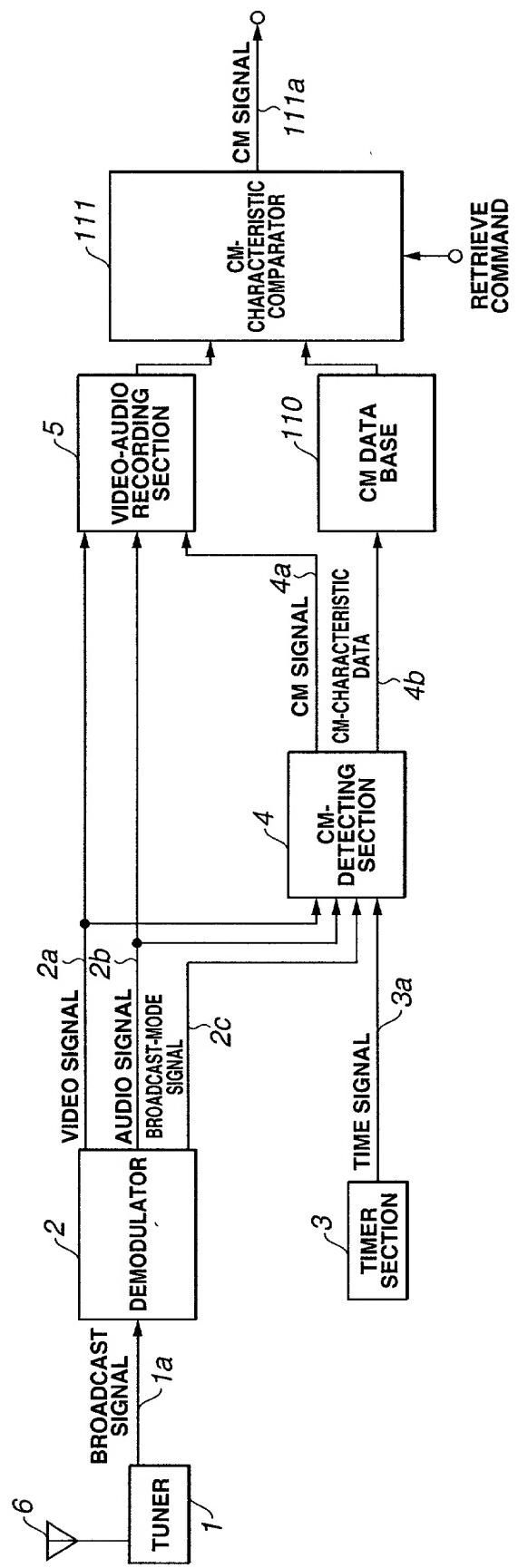
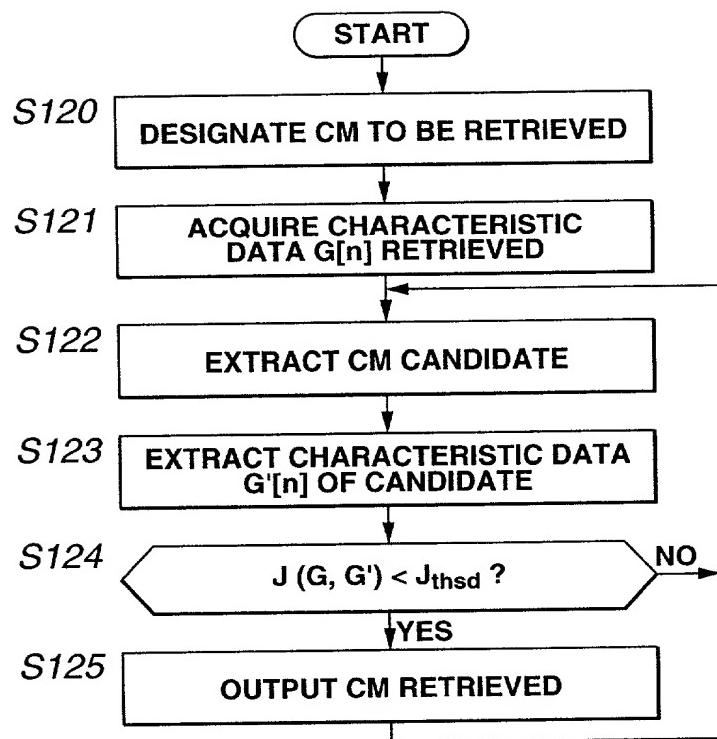


FIG.22B

FIG.23



**FIG.24**

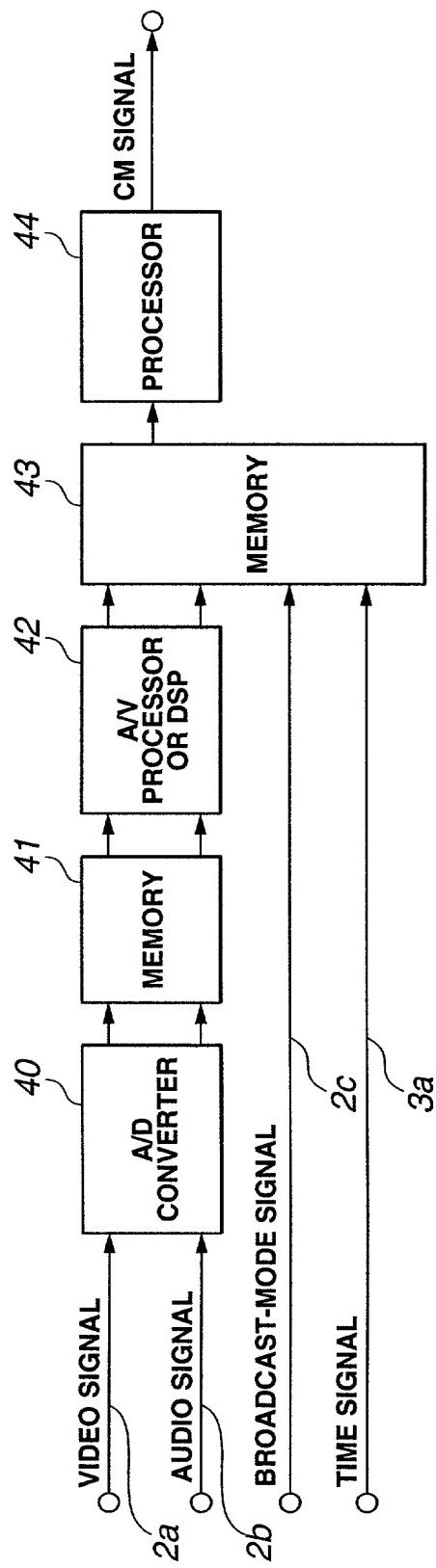


FIG.25